

## ABSTRACT OF THE DISCLOSURE

A ultra fine particle film forming apparatus is provided which is capable of forming a ultra fine particle film which has ultra fine particles sufficiently bonded together, sufficient density, flat surface and uniform density. A planarized ultra fine particle film forming method for forming a planarized ultra fine particle film from a deposited film of ultra fine particles formed by supplying the ultra fine particles to a substrate, the method comprising one or more of a planarizing step of planarizing a surface of the deposited film of the ultra fine particles supplied to the substrate.